

# ORPHANED WELL PLUGGING AND RESTORATION

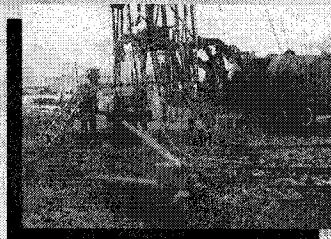
EXHIBIT 5  
DATE 1/24/07  
HB 7

**Before:** State #1 Sec. 16, T34N, R1W

An orphaned gas well is leaking in a cultivated field.



**Operations:** A service rig is being used in plugging operations.



**PROBLEM:** An exposed orphaned well, leaking natural gas, killing the crops in a cultivated field.

**SOLUTION:** Reopen the old casing and plug the well properly with cement; restore the surface to its previous productive condition.

**After:** The well is plugged, and the location is restored to its previous productive condition.



**Before:** Van Winkle #1 Sec. 23, T2S, R24E Surface casing is sticking up in the Clarks Fork Yellowstone River and leaking crude oil.



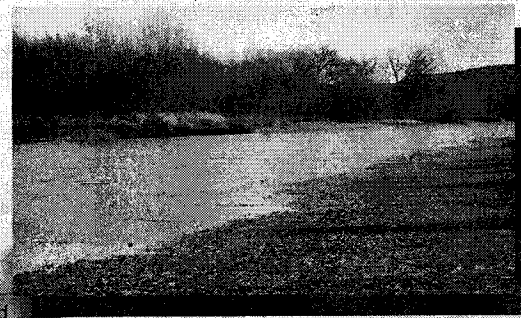
**PROBLEM:** An orphaned well leaking crude oil through an exposed 10.75-inch casing that is located in the main channel of the Clarks Fork Yellowstone River.

**SOLUTION:** Build a temporary island in the river as a work site for corrective action, with approvals from the appropriate governmental agencies.

**Operations:** With a temporary work pad in place, the board moved a work-over rig on-site, cleaned the well casing to the appropriate depth, and plugged the well with mechanical and cement plugs.



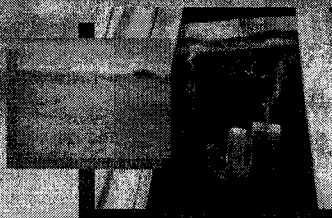
**After:** Van Winkle #1 is plugged, and the location is restored to its previous condition.



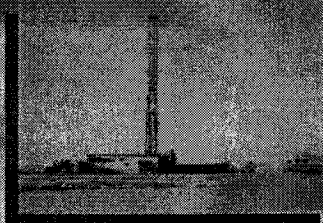
**PROBLEM:** An exposed and abandoned well, leaking brackish formation water, 400 yards of otherwise useable ground along the path of flow is sterile.

**SOLUTION:** Re-entry and plugging will be required; the location will be restored to its original condition.

**Before:** Well is abandoned as a dry hole in 1922. No surface casing is visible.



**Operations:** A drilling rig is used to re-enter the well and properly plug it with cement plugs.



**After:** The well is plugged, and the location is restored to its previous condition and seeded with native vegetation.

